**Scoring Rubric for Project 8: Containers**

*Due 11/21/2019 @ 3:30 pm*

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|  | **Score** | **Maximum** |
| **Execution (50 pts):** | | |
| Program compiles without errors (warnings are okay) | 50 | **50** |
| **Implementation (45 pts):** | | |
| Implements the Data class with at least 4 data members, overloads the output stream operator, and overloads the comparison operators (< or >). | 5 | **5** |
| Reads the dataset into Data objects then inserts them into STL Stack container properly | 10 | **10** |
| Reads the dataset into Data objects then inserts them into STL Queue container properly | 10 | **10** |
| Reads the dataset into Data objects then inserts them into STL Priority Queue container properly | 10 | **10** |
| Writes out the contents of the stack, queue, and priority queue into separate text files | 10 | **10** |
| **Style (5 pts):** | | |
| The driver and functions are easy to follow based on the use of comments | 3 | **3** |
| Easily identifiable variable names | 2 | **2** |
| **Total (100 pts):** | 100 | **100** |

Notes:

Nice work, but there is no need to read the file in 3 times for each data structure. You can declare all the structures at the top, then read the file in once, and in your while loop, you can push to each of the 3 objects. This will make your code shorter and more efficient.